

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
1	BRS	L1	0	"2020064116"	US-PGPUB	2005/09/27 08:14			
2	BRS	L2	1	"20020064116"	US-PGPUB	2005/09/27 08:14			
3	BRS	L3	452	369/53.37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWE NT; IBM_T DB	2005/09/27 08:15			
4	BRS	L4	7462	G11b007/0045	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWE NT; IBM_T DB	2005/09/27 08:15			

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
1	BRS	L1	0	"2020064116"	US-PGPUB	2005/09/27 08:14			
2	BRS	L2	1	"20020064116"	US-PGPUB	2005/09/27 08:14			
3	BRS	L3	452	369/53.37	US-PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/09/27 08:15			
4	BRS	L4	7462	G11b007/0045	US-PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/09/27 08:15			
5	BRS	L5	10423 5	(group\$3 adj5 (information data))	US-PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/09/27 08:15			

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
6	BRS	L6	103309	(input adj6 user)	US-PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/09/27 08:16			
7	BRS	L7	10264	5 and 6	US-PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/09/27 08:16			
8	BRS	L8	229861	(optic\$5 adj5 (dis\$1 record))	US-PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/09/27 08:16			

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
9	BRS	L9	2254	7 and 8	US-PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/09/27 08:17			
10	BRS	L10	15497	(track\$3 adj8 address\$3)	US-PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/09/27 08:18			
11	BRS	L11	206	9 and 10	US-PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/09/27 08:18			

US 20020064116 A1

**Summary of Invention Paragraph -
BSTX (3):**

[0002] The present invention relates to an information recording apparatus having a device for attaching track number information to every track recorded in an information recording medium.

**Summary of Invention Paragraph -
BSTX (15):**

[0013] The above object of the present invention can be achieved by an information recording apparatus of the present invention that is provided with information attaching and generating device, which attaches a track number information to each track recorded in an information recording medium and generates group control information to control one or a plurality of tracks as one group. The information recording apparatus is provided with: a detection device for giving a grouping instruction to said information attaching and generating device when any kind of change regarding track recording is detected, wherein said information attaching and generating device generates the group control information by making the tracks from the track where recording to said information recording medium is started to at least the track already recorded at the point when said grouping instruction is received be the same group.

**Summary of Invention Paragraph -
BSTX (16):**

[0014] According to the present



US 20020064116A1

(1) United States

(12) Patent Application Publication (10) Pub. No.: US 2002/0064116 A1
Yamanishi et al.

(4) Pub. Date: May 30, 2002

(54) INFORMATION RECORDING APPARATUS

Nov. 24, 2000 (JP) F2000-357772

(75) Inventor: Katsunori Yamanishi, Katsunori (JP);

Nov. 24, 2000 (JP) F2000-357773

Takayuki Iijima, Katsunori (JP);

Shinichi Aiba, Katsunori (JP);

Shinichi Aiba, Katsunori (JP);

Miyagawa, Katsunori (JP);

Fukunishi, Katsunori (JP);

Fukunishi, Katsunori (JP)

Correspondence Address:
MORGAN LEWIS & BOCKIUS LLP
1111 PENNSYLVANIA AVENUE NW
WASHINGTON, DC 20004 (US)

(73) Assignee: Pioneer Corporation

(21) Appl. No.: 09/996,372

(22) Filed: Nov. 23, 2001

(30) Foreign Application Priority Data

Nov. 24, 2000 (JP) F2000-357769

Publication Classification

(51) Int. Cl. G10B 2004

(52) U.S. Cl. 605/20, 605/21

(57) ABSTRACT

When a detection device detects any kind of change regarding track recording after the start of the track recording, a grouping instruction is given to information attaching and generating device. Then, the information attaching and generating device attaches the same group control information to a group, in which a track where the recording has been started in an information recording medium to a track recorded at the point when the grouping instruction has been received and made to be the same group, and group control information is generated. Therefore, since the grouping is automatically performed by any kind of change regarding the track recording, a user can omit the operation that he/she performs the grouping by himself/herself, and thus the operation load of the user can be reduced.

